

# SEQUENCE LISTING

<110> FUKUDA, Yoshiaki  
NAGAHIRA, Kazuhiro  
NAKANISHI, Toshihiro

<120> Novel recombinant antibody, amino acid sequences of its complementarity determining regions and genes encoding the same

<130> 46224

<140> 10/018,245

<141> 2001-12-18

<150> JP 117394/2000

<151> 2000-04-19

<160> 19

<170> PatentIn Ver. 2.1

<210> 1

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<223> CDR-H1 of anti-human TNF-alpha antibody

<400> 1

Gly Tyr Thr Phe Thr Asn Tyr Gly Met Asn  
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Trp Ile Asn Thr Tyr Thr Gly Glu Pro Thr Tyr Ala Asp Asp Phe  
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Lys Gly

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Gln	Val	Lys	Leu	Leu	Glu	Ser	Gly	Gly	Gly	Val	Val	Gln	Pro	Gly	Arg	
1				5					10					15		
tcc	ctg	aga	ctc	tcc	tgt	gca	gcc	tct	gga	tac	acc	ttt	act	aac	tat	96
Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Tyr	Thr	Phe	Thr	Asn	Tyr	
			20					25				30				
ggg	atg	aac	tgg	gtc	cgc	cag	gct	cca	ggc	aag	ggg	ttg	aag	tgg	gtg	144
Gly	Met	Asn	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Lys	Trp	Val	
		35				40						45				
gca	tgg	ata	aac	act	tat	aca	ggg	gag	cca	acc	tac	gca	gac	gac	ttc	192
Ala	Trp	Ile	Asn	Thr	Tyr	Thr	Gly	Glu	Pro	Thr	Tyr	Ala	Asp	Asp	Phe	
	50				55					60						
aag	ggc	cga	ttc	acc	att	tcc	tta	gac	aat	tcc	aag	aac	aca	gcg	tat	240
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Leu	Asp	Asn	Ser	Lys	Asn	Thr	Ala	Tyr	
	65				70				75					80		
ctg	gaa	gtg	aag	agc	ctg	caa	act	gag	gac	acg	ggg	gtc	tat	tac	tgt	288
Leu	Glu	Val	Lys	Ser	Leu	Gln	Thr	Glu	Asp	Thr	Gly	Val	Tyr	Tyr	Cys	
				85				90						95		
gca	aga	tat	gat	tat	gac	gga	ttt	gac	tac	tgg	ggc	cag	gga	acc	ctg	336
Ala	Arg	Tyr	Asp	Tyr	Asp	Gly	Phe	Asp	Tyr	Trp	Gly	Gln	Gly	Thr	Leu	
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gtc	acc	gtc	tcc	tca												351
Val	Thr	Val	Ser	Ser												
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 Asp Val Gln Leu Thr Gln Ser Pro Ser Ala Met Ala Ala Ser Val Gly  
 1 5 10 15  
 gac aga gtc acc atc act tgt acg gcg agt tcg agc gtt agc ttc agt 96  
 Asp Arg Val Thr Ile Thr Cys Thr Ala Ser Ser Ser Val Ser Phe Ser  
 20 25 30  
 tat tta cac tgg tat cag cag aaa cca ggg aaa gtc cct aag ctc tgg 144  
 Tyr Leu His Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Trp  
 35 40 45  
 atc tat tct aca tcc aat ttg gca agt ggg gtc cca tcg agg ttc agc 192  
 Ile Tyr Ser Thr Ser Asn Leu Ala Ser Gly Val Pro Ser Arg Phe Ser  
 50 55 60  
 ggc agt gga tct ggg aca gaa tac act ctc aca atc agc agc ctg cag 240  
 Gly Ser Gly Ser Gly Thr Glu Tyr Thr Leu Thr Ile Ser Ser Leu Gln  
 65 70 75 80  
 cct gaa gat ttt gca act tat tac tgt cac cag tat ctt cgt tcc ccg 288  
 Pro Glu Asp Phe Ala Thr Tyr Tyr Cys His Gln Tyr Leu Arg Ser Pro  
 85 90 95  
 tac act ttc ggc gga ggg acc aag gtg gag atc aaa 324  
 Tyr Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
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<223> Primer H4

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gtctaaggaa atggtgaatc ggcccttgaa gtcgtctgcg taggttgg

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<223> Primer H5

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